

# Installation instructions

## BMW M-Modelle 4.4l V8 TwinPower Turbo



14109817

The product described in the guidance was developed, manufactured and controlled considering the necessary safety requirements. The product must be appropriately inserted around dangers for persons and things to exclude and a perfect and safe function mode to ensure. Here to have it the fitting instruction including the safety references carefully to read.

Control before the installation of the Chiptuning box the completeness of the parts belonging to the scope of supply.

### included:

quantity	designation
1x	Chiptuning Box
1x	Cable Set
1x	Bridge-Plug 24pole
1x	Cable straps



1. Please open the engine hood.
2. Before installation turn off the ignition!
3. Take the ignition key off!
4. Lock all your vehicle doors!
5. Don't open the vehicle doors during installation!
6. Then wait at least 5 minutes before installation



To avoid damage to vehicle electronic components, please make sure before installing the electronics that you take appropriate action to electrostatic discharge. Obstruct the electronics absolutely waterproof and shock resistant. Do not modify the tuning kit before (as lengthening or shortening of the harness, etc.).

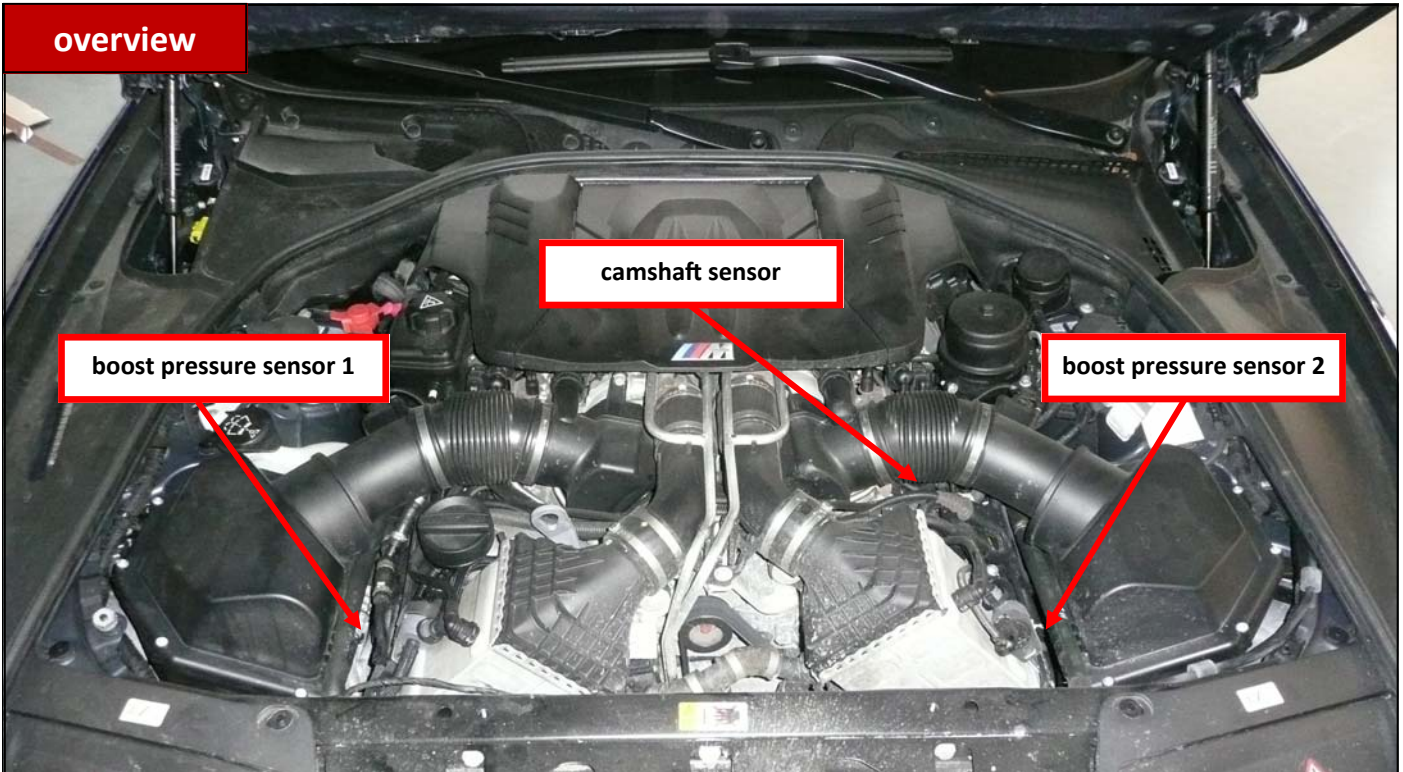
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## overview



### Overview:

#### The Chiptuning box is attached to the following points:

- boost pressure sensor 1
- boost pressure sensor 2
- camshaft sensor

#### Necessary tools:

- Small ratchet with a long extension, small and medium screwdrivers, Torx T30 and Cutters (Cut the cable tie)

#### Preparation:

- Move the individual strands of the cable loom to the associated plug connectors
- Put the necessary tool for the side (if needs)
- Put the mounting material to the side
- ***To reach the maximum power min. Super Unleaded (98 RoZ) or better has to be refueled***

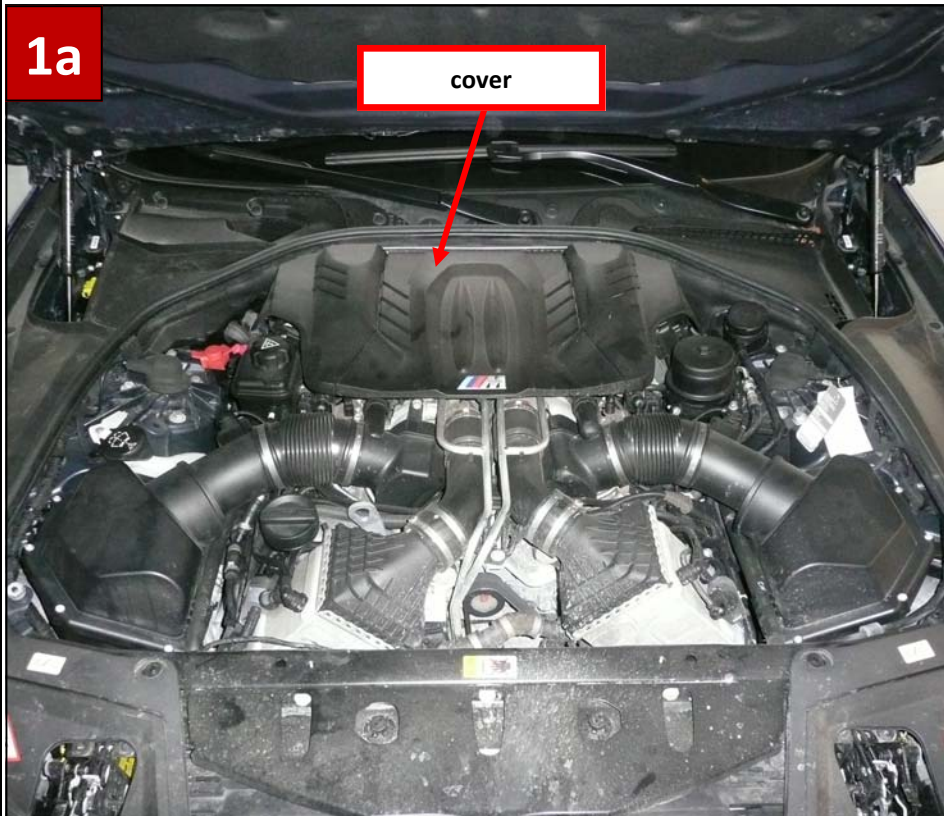
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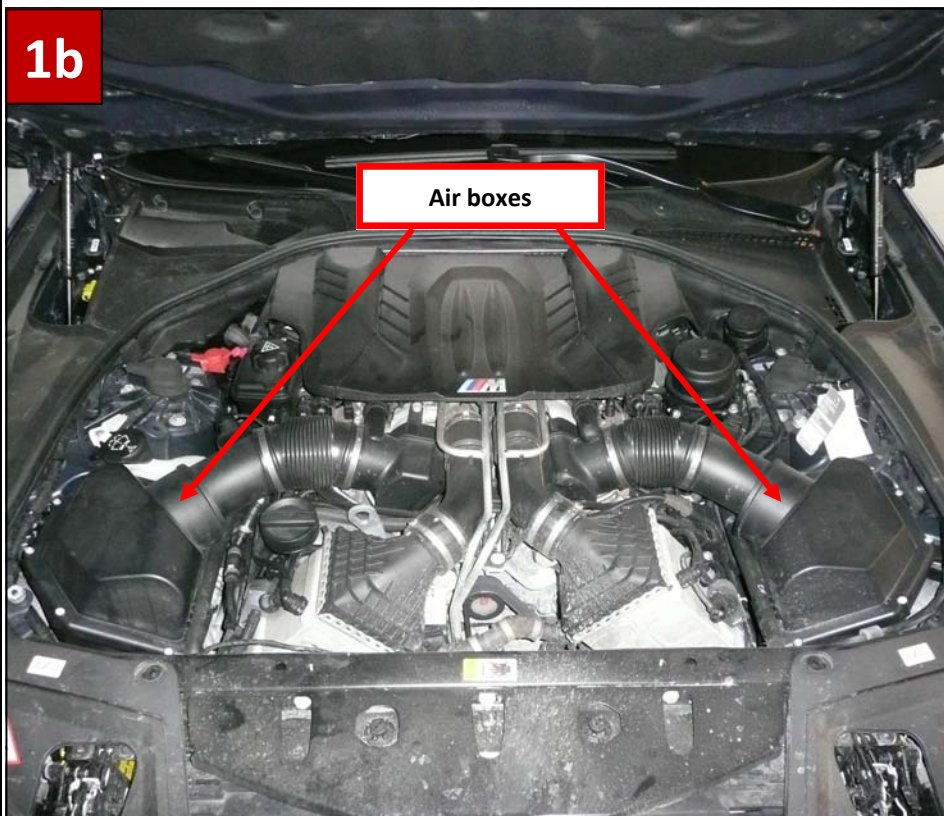
**1a**



### 1. preparation

- ◇◇ Before you can begin the installation, you must remove the engine cover and the two air boxes.
- ◇ The engine cover is only attached with clips

**1b**



### 1b. air boxes

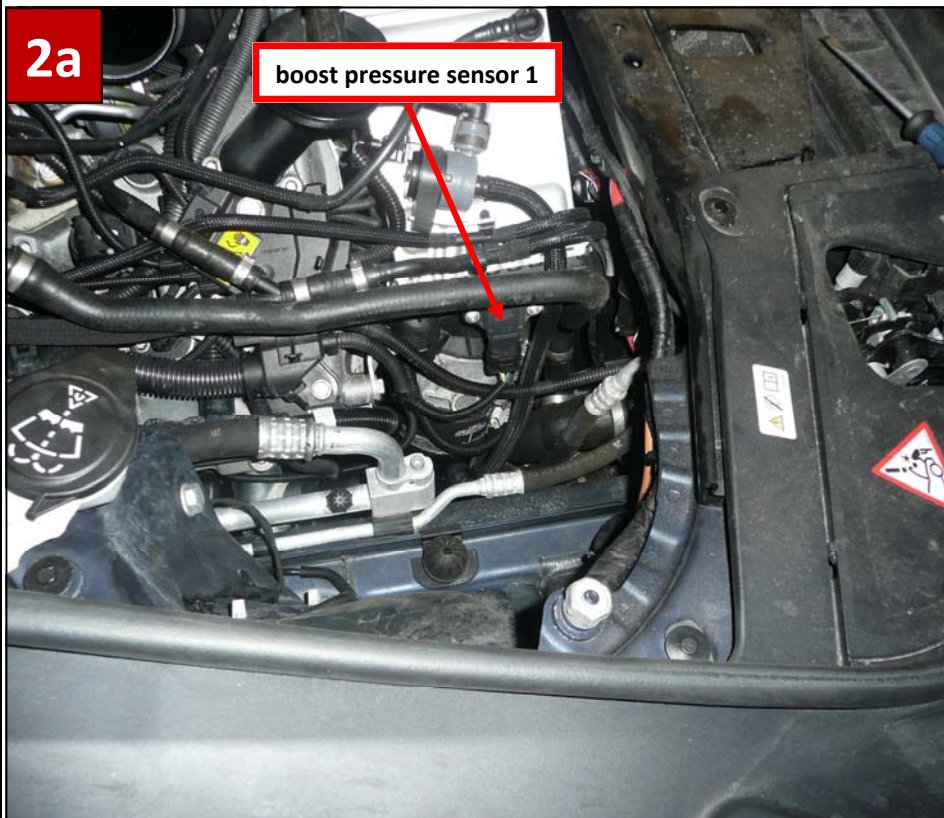
- ◇ Solve each of the hose clamps.
- ◇ Remove each of the screws, for this you need a small ratchet with a long extension and einenTorx T30.
- ◇ The screws are located near the fender.
- ◇ Then remove the air filter boxes.

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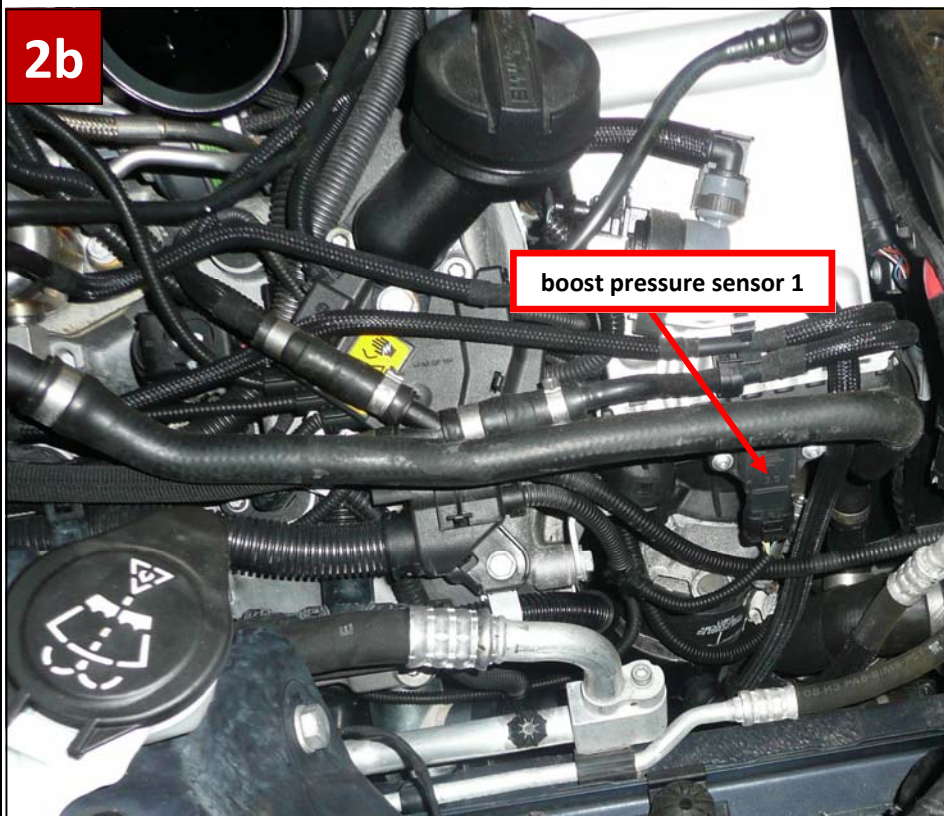


## 2. boost pressure sensor 1

◇ Disconnect the plug from the boost pressure sensor 1 below the intercooler.

◇ Attach the boost pressure sensor 1 plug to the new loom

◇ Connect the plug of the new loom to the boost pressure sensor 1



◇TIP: Remove the lock of the connector with a small screwdriver

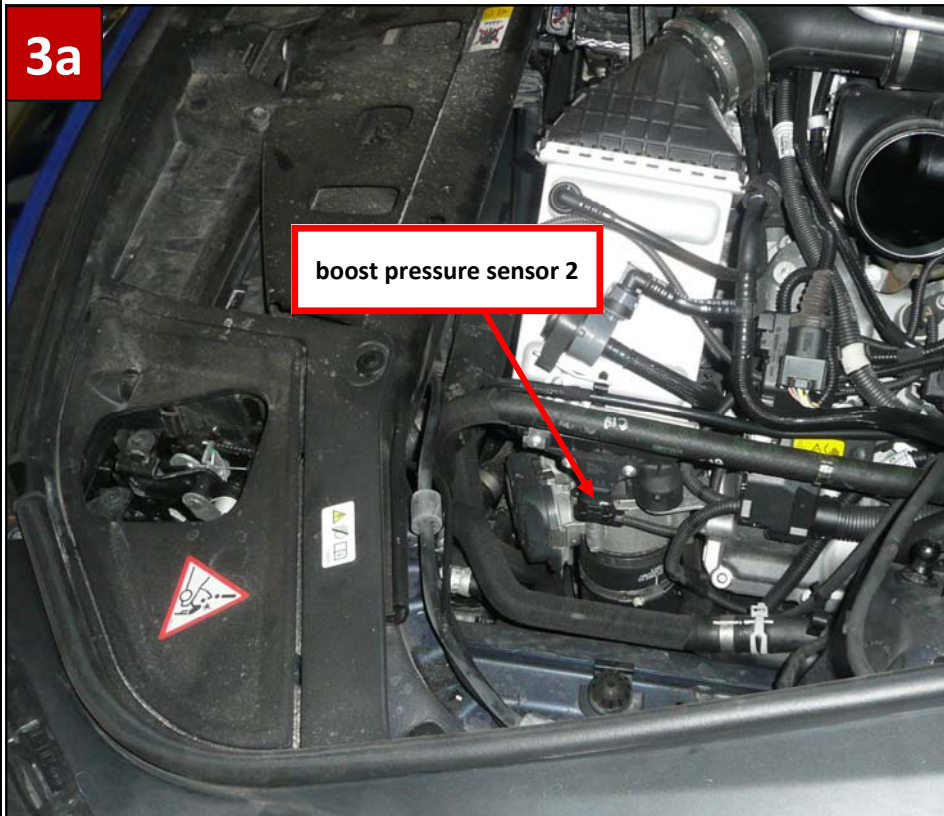
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**3a**



### 2. boost pressure sensor 2

- ◇ Disconnect the plug from the boost pressure sensor 2 below the intercooler.
  
- ◇ Attach the boost pressure sensor 2 plug to the new loom
  
- ◇ Connect the plug of the new loom to the boost pressure sensor 2

**3b**



- ◇ TIP: Remove the lock of the connector with a small screwdriver

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4a



### 4. Nockenwellensensor

◇ The camshaft sensor is located on the driver's side.

4b



- ◇ Disconnect the plug from the camshaft pressure sensor.
- ◇ Attach the camshaft pressure sensor plug to the new loom
- ◇ Connect the plug of the new loom to the camshaft pressure sensor

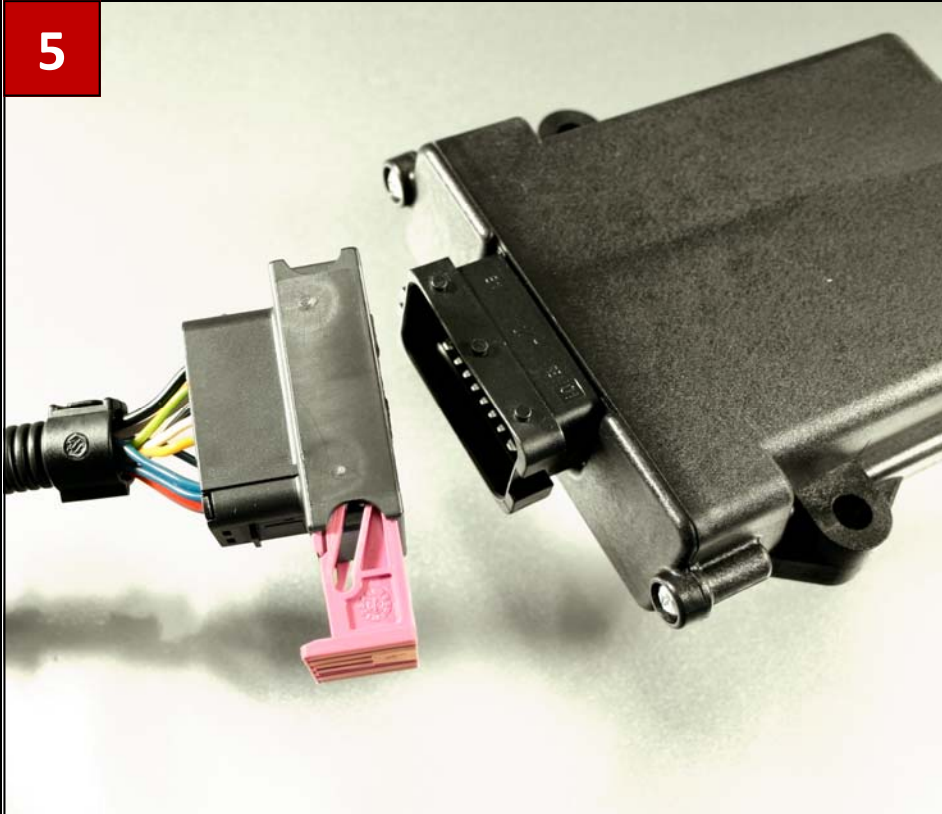
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### 3. Tuningbox

- ◇ Finally install the cable towards a suitable position
- ◇ The plugs must be engaged, so that a safe connection is ensured
- ◇ Fix the cable with cable ties
- ◇ Connect the tuningbox to the new loom
- ◇ Reinstall all previously parts